*Reprinted from*

REVIEW OF PLANT PATHOLOGY

# READERS' GUIDE
# 1978

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# REVIEW OF PLANT PATHOLOGY

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The primary object of the *Review* is to provide a monthly survey of the more important recent world literature on diseases of plants caused by fungi, bacteria, viruses, mycoplasma-like organisms and nonpathogenic factors. It aims at supplying sufficiently full abstracts to enable readers to keep themselves informed of the progress of current work and to allow them to decide whether they require to see the original document. Photocopies of most of the papers abstracted can be supplied. An application form is printed in each number of the Review. To satisfy copyright regulations this form should always be used when photocopies are requested.

Some 950 serial publications, including other abstracting journals, are examined regularly; they are listed in this number. Many others, together with miscellaneous publications and books, are also scanned. An effort is made to note all new data; previously published information, well known facts and popular articles may be omitted. Some background papers are noticed by very brief notices, and some of local or marginal interest by titles only. Taxonomic papers are listed in the Institute's half-yearly *Bibliography of Systematic Mycology*, which forms a useful supplement to the *Review*. New generic and specific names of fungi are compiled in the *Index of Fungi*.

Back references to the *Review* (in square brackets) are given to link related publications and also to enable further details to be traced quickly. References are also given to the Institute's *Distribution Maps of Plant Diseases* (as [CMI Map 123]) when the record is a new one for the map cited, or when more information on distribution is relevant.

When consulting an entry the reader should remember that the title is an integral part of the abstract and may include data necessary for its full comprehension.

In a typical citation the name(s) of the author(s) are followed by the title of the paper in English. If the paper is written in a language other than English, the English translation of the title is enclosed in square brackets. The title in the original language, if not English, follows, except for Arabic, Chinese, Japanese etc. Cyrillic characters are transliterated on a system based on a collation of International Standard ISO/R9 1968(E) and the draft International Standard ISO/TC46 955E Rev. Journal titles are next given in unabbreviated form. The year of issue, in round brackets, the volume number, part number in round brackets, and first and last page numbers of the article complete the basic citation.

Supplementary details given in square brackets include the language of the paper (a two-letter abbreviation with an initial capital; see page iv) and the language of any summary or summaries in languages other than that of the paper (a similar abbreviation without an initial capital); and there may also be included the number of references, plates, figures, graphs, maps, tables. The affiliation of the first author is also usually given in abbreviated form. Some commonly used abbreviations are listed on page iii.

Conference papers or items from long reports may appear as a sequence of abstracts of which only the first shows the full citation, the following entries, with abstract numbers in square brackets, providing minimal bibliographic data.

Every effort is made to achieve consistency in the nomenclature of pathogens used in the *Review*. The names of fungi and bacteria are kept in line with the International Codes of Botanical and Bacteriological Nomenclature and with current taxonomic opinion. Preferred names are given, where necessary, in square brackets in the abstract and are used in the subject index. Whenever the perfect state of a fungus is known and generally accepted the name applied to this state is used, even if the paper abstracted refers only to the imperfect state (e.g. *Drechslera oryzae* is always referred to as the perfect state, *Cochliobolus miyabeanus*). Virus names are generally those given by the author. Synonyms are listed in the Institute's publication, Plant Virus Names (*Phytopathological Paper* 9, 1968 and Supplement 1, 1971).

The abstracts are arranged in a repeating series (indicated by page and section headings) composed of two main parts; one general, the other diseases arranged by crops (see below). Whenever possible, papers are arranged under the host, in the order general papers, virus and mycoplasma diseases, fungal diseases, bacterial diseases, non-parasitic disorders. However, a paper on, for instance, tobacco mosaic virus, not referring to a specific host, would come under 'viruses and mycoplasmas' rather than 'tobacco'. The monthly contents list follows the same pattern. Cross references are given where appropriate at the beginning of a section. Thus abstracts on virus diseases in other sections are listed at the beginning of the section on 'Viruses and Mycoplasmas'.

Papers on entomogenous fungi are no longer noticed, but are fully covered in the '*Review of Applied Entomology*', prepared by the Commonwealth Institute of Entomology.

The general index is primarily a host-parasite index with the entries analysed under hosts and repeated in less detail under pathogens. Fungicides are indexed under the chemical names or, if well known, under proprietary names, and the pathogen against which they are used is indicated, together with the host. There are in addition a number of special

entries, including:

Apparatus
Biological control
Books
Conferences
Crop losses
Electron microscopy
Fertilizers
Legislation
New records, geographic
New records, host
Reports
Reviews
Mycorrhiza
Mycotoxins
Phytoalexins
Plant diseases
Seed treatment
Seed-borne organisms
Soil
Soil treatment
Spore dispersal
Storage disorders
Techniques

## ARRANGEMENT OF ABSTRACTS

### GENERAL

REPORTS, Conferences, Symposia etc.
MISCELLANEOUS Subjects
BOOKS (on general subjects; others under specific headings)
BACTERIA (general aspects only; bacterial diseases under crops)
FUNGICIDES
ANTIBIOTICS
LEGISLATION
MYCORRHIZA
PHYSIOLOGY
SOILS (and Fertilizers)
SYSTEMATIC Mycology (including lists of fungi unless on one host only, then under host)
TECHNIQUES
VIRUSES AND MYCOPLASMAS (general aspects and abstracts referring to more than one host; otherwise under crops)

### DISEASES AND DISORDERS

CROPS, GENERAL (plant disease surveys and lists and papers of a general nature)
CACAO
CEREALS
- Wheat
- Barley
- Oats
- Rye
- Maize
- Sorghum
- Pennisetum
- Millets
- Rice

CITRUS
COFFEE
COTTON
FIBRES
FLOWERS (and Ornamentals)
- *Arranged alphabetically*

FODDERS (and Herbage Crops)
- Grasses
- Legumes

FRUIT
- Pome
- Stone
- Soft
- Tropical
- Olive

GRAPEVINE
HOPS
OFFICINAL Plants
PALMS
POTATO
RUBBER
SUGARCANE
TEA
TOBACCO
TOMATO
TREES
    Broad-leaved
    Conifers
    Timber
VEGETABLES
    *Main subsections*
    Beet
    Brassicas
    Cucurbits
    Legumes
    Mushrooms
    Other temperate
    Tropical

(The entries in capitals are those used for page and section headings)

## ABBREVIATIONS

**Author's Affiliation**

| | | | |
|---|---|---|---|
| Acad. | Academy | Lab. | Laboratory |
| Agric. | Agricultural etc. | Org. | Organization |
| Agron. | Agronomic etc. | Path. | Pathological etc. |
| Ass. | Association | Pl. | Plant |
| Biol. | Biological etc. | Prot. | Protection |
| Bot. | Botanical etc. | Reg. | Regional |
| Cent. | Central | Res. | Research |
| Coll. | College | Sch. | School |
| Dep. | Department | Sci. | Scientific etc. |
| Div. | Division | Soc. | Society |
| Exp. | Experimental | Sta. | Station |
| Fac. | Faculty | Tech. | Technical |
| Gov. | Government | Trop. | Tropical |
| Inst. | Institute | Univ. | University |

**Australian States & Territories**
ACT, Australian Capital Territory; NSW, New South Wales; NT, Northern Territory; Qd., Queensland; S. Aust., South Australia; Tas., Tasmania; Vict., Victoria; W. Aust., Western Australia.

**Canadian Provinces**
Alta., Alberta; BC, British Columbia; Man., Manitoba; NB, New Brunswick; NS, Nova Scotia; Ont., Ontario; PEI, Prince Edward Island; Que., Quebec; Sask., Saskatchewan.

**USA States**
Ala., Albama; Ariz., Arizona; Ark., Arkansas; Calif., California; Colo., Colorado; Conn., Connecticut; Del., Delaware; DC, District of Columbia; Fla., Florida; Ga., Georgia; Ill., Illinois; Ind., Indiana; Kans., Kansas; Ky., Kentucky; La., Louisiana; Me., Maine; Md., Maryland; Mass., Massachusetts; Mich., Michigan; Minn., Minnesota; Miss., Mississippi; Mo., Missouri; Mont., Montana; Neb., Nebraska; Nev., Nevada; N. Hamp., New Hampshire; NJ, New Jersey; N. Mex., New Mexico; NY, New York; N. Carol., North Carolina; N. Dak., North Dakota; Okla., Oklahoma; Ore., Oregon; Pa., Pennsylvania; RI, Rhode Island; S. Carol., South Carolina; S. Dak., South Dakota; Tenn., Tennessee; Vt., Vermont; Va., Virginia; Wash., Washington; W. Va., West Virginia; Wis., Wisconsin; Wyo., Wyoming.

**Languages**

Ar, Arabic; Bg, Bulgarian; Ch, Chinese; Cr, Croat; Cs, Czech; Da, Danish; De, German; En, English; Ee, Estonian; Es, Spanish; Fi, Finnish; Fr, French; Gr, Greek; Hu, Hungarian; It, Italian; Ja, Japanese; La, Latin; Lv, Latvian; Nl, Dutch or Flemish; No, Norwegian; Pl, Polish; Pt, Portuguese; Ro, Rumanian; Ru, Russian; Sr, Serbian; Sh, Serbo-Croat; Sk, Slovak; Sv, Swedish; Tr, Turkish; Uk, Ukrainian; etc.

**Months**

Jan., Feb., Mar., Apr., Aug., Sept., Oct., Nov., Dec.

**Organizations:**

| | |
|---|---|
| ADAS | Agricultural Development & Advisory Service |
| CSIRO | Commonwealth Scientific & Industrial Research Organization |
| DSIR | Department of Scientific & Industrial Research |
| EAAFRO | East African Agriculture & Forestry Research Organization |
| EPPO | European & Mediterranean Plant Protection Organization |
| FAO | Food & Agriculture Organization of the United Nations |
| IARI | Indian Agricultural Research Institute |
| INRA, Versailles | Station Centrale de Pathologie Végétale et Laboratoire de Phytopharmacie, Institut National Recherches Agronomiques, Versailles, France |
| IPO, Wageningen | Instituut voor Plantenziektenkundig Onderzoek, Wageningen |
| USDA | United States Department of Agriculture |

In addition, a number of other easily understood abbreviations are used (e.g. cv., cultivar). Units of measurement are abbreviated basically according to the publication *Changing to the metric system* (HMSO, 1969). The international symbols for the commoner chemical elements and a number of simple chemical formulae are also used.

# CAB

provides a range of services in agricultural sciences; further details may be obtained from the four Institutes and ten Bureaux at the addresses given below.

Eighteen abstract journals are published, mostly monthly, to provide the only comprehensive coverage in English of the world literature on agriculture and related sciences. Over 100 000 abstracts and citations are published each year.

| | Telephone No. | Journal |
|---|---|---|
| **Institute of Entomology**<br>56 Queen's Gate, London SW7 5JR | 01-584-0067/8 | Review of Applied Entomology<br>Series A—Agricultural<br>Series B—Medical & Veterinary<br>Bulletin of Entomological Research |
| **Mycological Institute**<br>Ferry Lane, Kew<br>Richmond TW9 3AF, Surrey | 01-940-4086/7 | Review of Plant Pathology<br>Review of Medical and Veterinary Mycology<br>Index of Fungi<br>Bibliography of Systematic Mycology |
| **Institute of Biological Control**<br>Gordon Street, Curepe,<br>Trinidad, West Indies | 662-4173 | |
| **Institute of Helminthology**<br>The White House,<br>103 St. Peter's Street, St. Albans, Herts | St. Albans 52126 | Helminthological Abstracts<br>Series A—Animal Helminthology<br>Series B—Plant Nematology |
| **Bureau of Agricultural Economics**<br>Dartington House,<br>Little Clarendon Street, Oxford OX1 2HH | Oxford 59829 | World Agricultural Economics and Rural Sociology Abstracts |
| **Bureau of Animal Breeding & Genetics**<br>Animal Breeding Research Organisation<br>The King's Buildings,<br>West Mains Road, Edinburgh EH9 3JX | 031-667-6901 | Animal Breeding Abstracts |
| **Bureau of Animal Health**<br>Central Veterinary Laboratory,<br>New Haw, Weybridge, Surrey | Byfleet 42826 | Veterinary Bulletin<br>Index Veterinarius |
| **Bureau of Dairy Science & Technology**<br>**International Food Information Service**<br>National Institute for Research in Dairying<br>Shinfield,<br>Reading RG2 9AT | Reading 883895 | Dairy Science Abstracts<br>Food Science & Technology Abstracts<br>(produced in collaboration with Institut für Dokumentationswesen, Institute of Food Technologists, PUDOC and Zentralstelle für maschinelle Dokumentation) |
| **Forestry Bureau**<br>Commonwealth Forestry Institute,<br>South Parks Road, Oxford OX1 3RD | Oxford 57185 | Forestry Abstracts |
| **Bureau of Horticulture & Plantation Crops**<br>East Malling Research Station,<br>Nr. Maidstone, Kent. ME19 6BJ | West Malling 843833 | Horticultural Abstracts |
| **Bureau of Nutrition**<br>Rowett Research Institute,<br>Bucksburn, Aberdeen AB2 9SB | Bucksburn 2162 | Nutrition Abstracts & Reviews |
| **Bureau of Pastures & Field Crops**<br>Grassland Research Institute,<br>Hurley, Maidenhead SL6 5LR | Littlewick Green 3457 | Field Crop Abstracts<br>Herbage Abstracts |
| **Bureau of Plant Breeding & Genetics**<br>Department of Applied Biology,<br>Downing Street, Cambridge CB2 3BX | Cambridge 58381 Ext.63 | Plant Breeding Abstracts |
| **Bureau of Soils**<br>Rothamsted Experimental Station<br>Harpenden, Herts, AL5 2JQ | Harpenden 4671 | Soils and Fertilizers |

The abstract journals are produced by computer techniques, and a consolidated data base is being created from which new services will be developed. In due course, all data will be available on magnetic tape; further details may be obtained from Systems Group, Farnham House, Farnham Royal, Slough SL2 3BN, UK.

Enquiries about journals and other publications, including orders, should be made to Central Sales Branch, Farnham House, Farnham Royal, Slough SL2 3BN, UK.

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